



2001 Toxics Release Inventory

OHIO

Reported Releases and Other Waste Management Activities (in pounds)

	Total
On-site Releases	197,479,559
Air Emissions	121,295,468
Surface Water Discharges	8,339,219
Underground Injection Class I Wells	31,993,954
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	12,953,608
Other On-site Land Releases	22,897,310
Off-site Releases (Transfers Off-site to Disposal)*	57,084,073
Total On- and Off-site Releases	254,563,632
Recycled On-site	185,819,144
Recycled Off-site	168,455,967
Energy Recovery On-site	81,101,178
Energy Recovery Off-site	37,992,825
Treated On-site	271,064,524
Treated Off-site**	34,819,545
Quantity Released On- and Off-site***	263,377,456
Total Production-related Waste Managed	1,042,630,639
Non-production-related Waste Managed	198,808

Transfers Off-site for Further Waste Management, including Disposal

Recycling	168,188,958
Energy Recovery	40,248,568
Treatment	17,347,997
Publicly Owned Treatment Works (POTWs)	18,604,023
Metals and Metal Category Compounds*	188,609
Non-metal TRI Chemicals**	18,415,413
Other Off-site Transfers****	2,144
Transfers Off-site to Disposal (not including metals to POTWs)	65,298,072
Total Transfers Off-site for Further Waste Management, including Disposal	309,689,761

* Transfers to POTWs of metals and metal category compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

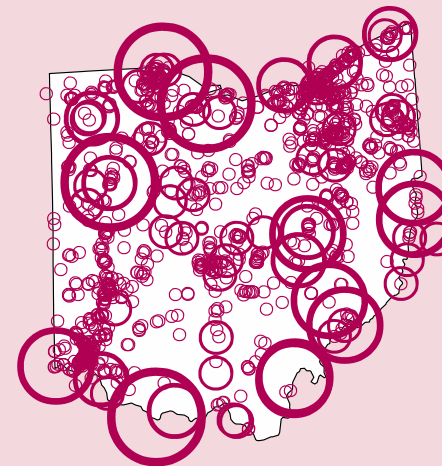
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To obtain TRI data use
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Support Service (TRI-US):
(202) 566-0250
tri.us@epa.gov



The largest circle in the state map represents the largest facility for on-site releases in the state of Ohio. All circles are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	11,389,785
Square Miles	40,953
Total Facilities	1,725
Total Forms	6,627
Form As	899

	Total
National Rank for Total On- and Off-site Releases*	
Rank	6
Pounds	254,563,632
National Rank for Total On-site Releases**	
Rank	6
Pounds	197,479,559
National Rank for Total Releases within State***	
Rank	5
Pounds	348,788,707
National Rank for Production-related Waste Managed	
Rank	6
Pounds	1,042,630,639

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	53,881,526	41	0	0	980	53,882,547	678,647	0	980
7664-93-9	Sulfuric acid	15,873,998	1	0	0	10	15,874,009	12,932	0	10
—	Zinc compounds	188,750	49,562	300,000	2,371,120	12,733,303	15,642,735	52,581,459	7,032,398	5,805,173
—	Manganese compounds	465,004	206,091	2,400,250	6,894,454	3,824,762	13,790,561	6,309,009	6,459,751	600,000
7664-41-7	Ammonia	10,505,480	98,996	2,006,500	52,964	93,880	12,757,820	1,340,514	275,102	1,189

On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Lead compounds	58,151.81	1,686.37	15,000.00	784,946.63	2,550,559.09	3,410,343.89	3,039,283.60	1,692,718.94	882,392.23
7439-92-1	Lead	33,065.10	4,060.26	0.00	2,265,233.63	684,599.58	2,986,958.57	752,482.16	470,775.62	470,544.80
—	Polycyclic aromatic compounds	411,977.63	103.22	0.00	1,359.46	369,356.57	782,796.89	1,253.66	252,121.59	117,234.98
—	Mercury compounds	8,712.04	527.01	150.00	4,076.28	3,478.85	16,944.18	11,809.09	1,962.16	1,667.71
191-24-2	Benzo(g,h,i)perylene	2,443.75	8.20	0.00	0.92	13,265.38	15,718.25	2.21	980.63	12,284.75
40487-42-1	Pendimethalin	230.82	0.00	0.00	0.00	4,547.30	4,778.12	0.00	700.00	3,847.30
7439-97-6	Mercury	2,692.52	40.37	0.00	266.60	1,430.53	4,430.03	1,050.86	122.18	1,308.35
1582-09-8	Trifluralin	1,154.87	0.00	0.00	0.00	617.00	1,771.87	0.00	617.00	0.00
118-74-1	Hexachlorobenzene	0.46	3.68	0.00	0.00	528.41	532.55	76.00	1.10	527.31
1336-36-3	Polychlorinated biphenyls (PCBs)	0.00	0.00	0.00	51.00	460.60	511.60	760.63	0.10	460.50
465-73-6	Isodrin	0.16	0.00	0.00	0.00	428.63	428.79	0.00	0.00	428.63
79-94-7	Tetrabromobisphenol A	0.00	0.00	0.00	0.00	303.00	303.00	0.00	303.00	0.00
8001-35-2	Toxaphene	0.10	0.00	0.00	0.00	262.29	262.39	0.00	0.00	262.29
57-74-9	Chlordane	1.00	0.00	0.00	0.00	27.00	28.00	0.00	0.00	27.00
72-43-5	Methoxychlor	0.72	0.00	0.00	0.00	27.00	27.72	0.00	0.00	27.00
76-44-8	Heptachlor	1.00	0.00	0.00	0.00	14.00	15.00	0.00	0.00	14.00
—	Dioxin and dioxin-like compounds	0.11	0.00	0.00	0.34	0.57	1.03	0.00	0.44	0.13
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	<i>51.529</i>	<i>0.756</i>	<i>0.000</i>	<i>155.691</i>	<i>260.014</i>	<i>467.990</i>	<i>1.906</i>	<i>199.345</i>	<i>60.670</i>
309-00-2	Aldrin	0.03	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
29082-74-4	Octachlorostyrene	—***	—	—	—	—	—	—	—	—
608-93-5	Pentachlorobenzene	—***	—	—	—	—	—	—	—	—

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

*** No reports were submitted for these chemicals.

** The chemical ranking is based on the amounts in this column.



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On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Vickery Environmental Inc., Vickery, Sandusky	5	0	16,266,250	0	0	0	16,266,255	0	55,997
BP Chemicals Inc., Lima, Allen	221,578	0	15,721,175	0	0	0	15,942,753	1,120	1,120
Envirosafe Services of Ohio Inc., Oregon, Lucas	1,866	0	0	0	12,760,581	0	12,762,447	1,882	8,626
J. M. Stuart Station, Manchester, Adams	9,206,534	16,405	0	0	0	2,987,585	12,210,523	0	7
Kyger Creek Station, Cheshire, Gallia	7,726,920	6,875	0	0	0	826,382	8,560,177	0	0
American Electric Power Cardinal Plant, Brilliant, Jefferson	6,517,838	84,163	0	0	0	1,713,397	8,315,398	13,005	6,638
W. H. Sammis Plant, Stratton, Jefferson	7,504,787	1,743	0	0	0	354	7,506,884	1,768,593	0
Eramet Marietta Inc., Marietta, Washington	2,083,939	148,021	0	0	0	4,792,662	7,024,622	0	48,400
An Electric Power Muskingum River Plant, Beverly, Washington	5,752,093	8,551	0	0	0	956,960	6,717,604	2,915	0
American Electric Power Conesville Plant, Conesville, Coshocton	5,106,229	27,656	0	0	0	1,144,910	6,278,795	802	0

On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA	Other		Transferred Within State Pounds	Transferred Out of State Pounds
					Subtitle C Landfills Pounds	On-site Land Releases Pounds			
Envirosafe Services of Ohio Inc., Oregon, Lucas	50.80	0.00	0.00	0.00	2,232,081.00	0.00	2,232,131.80	76.53	620.76
Ormet Primary Aluminum Corp., Hannibal, Monroe	402,476.00	0.00	0.00	0.00	0.00	0.00	402,476.00	248,800.00	0.00
GMC Powertrain Defiance, Defiance, Defiance	635.31	4.90	0.00	0.00	0.00	188,005.30	188,645.51	0.00	5.40
American Electric Power Gavin Plant, Cheshire, Gallia	1,769.70	41.00	0.00	0.00	0.00	98,485.00	100,295.70	274.00	0.00
J. M. Stuart Station, Manchester, Adams	1,762.80	0.10	0.00	0.00	0.00	93,584.50	95,347.40	0.00	7.00
WCI Steel Inc., Warren, Trumbull	690.50	8.00	0.00	0.00	0.00	86,301.30	86,999.80	51.20	3.00
American Electric Power Cardinal Plant, Brilliant, Jefferson	903.75	1.00	0.00	0.00	0.00	58,917.00	59,821.75	5.00	301.00
American Electric Power Conesville Plant, Conesville, Coshocton	1,851.43	5.00	0.00	0.00	0.00	47,060.00	48,916.43	55.00	0.00
An Electric Power Muskingum River Plant, Beverly, Washington	1,463.00	4.00	0.00	0.00	0.00	40,210.00	41,677.00	130.00	0.00
Kyger Creek Station, Cheshire, Gallia	855.00	22.02	0.00	0.00	0.00	39,332.00	40,209.02	0.00	0.00

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Vickery Environmental Inc., Vickery, Sandusky	0	0	0	0	0	1,591	16,266,250	16,267,841	0
BP Chemicals Inc., Lima, Allen	3,680,000	0	6,559,740	0	8,540,000	21,026	15,877,356	34,678,122	2,833
Onyx Environmental Services L.L.C., West Carrollton, Montgomery	5,462,773	0	0	5,225,058	0	1,936,340	13,141,161	25,765,332	0
Envirosafe Services of Ohio Inc., Oregon, Lucas	0	0	0	0	0	0	12,760,581	12,760,581	0
J. M. Stuart Station, Manchester, Adams	0	6	0	0	3,900,000	0	12,223,354	16,123,360	0
W. H. Sammis Plant, Stratton, Jefferson	0	0	0	0	1,958,100	0	9,273,689	11,231,789	0
Kyger Creek Station, Cheshire, Gallia	0	0	0	0	3,000,000	0	8,555,703	11,555,703	0
American Electric Power Cardinal Plant, Brilliant, Jefferson	0	223,000	0	0	1,867,000	0	8,331,864	10,421,864	0
Eramet Marietta Inc., Marietta, Washington	211,200	34,000	0	0	17,000	38	7,073,271	7,335,509	0
An Electric Power Muskingum River Plant, Beverly, Washington	0	157,100	0	0	3,653,000	0	6,722,963	10,533,063	0

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Envirosafe Services of Ohio Inc., Oregon, Lucas	0.00	0.00	0.00	0.00	0.00	0.00	2,232,081.00	2,232,081.00	0.00
Ormet Primary Aluminum Corp., Hannibal, Monroe	0.00	0.00	0.00	0.00	0.00	0.00	651,262.00	651,262.00	0.00
Envirite of Ohio Inc., Canton, Stark	0.00	439.00	0.00	0.00	0.00	0.00	439,157.00	439,596.00	0.00
Thomson Multimedia Inc., Circleville, Pickaway	18,894,588.00	0.00	0.00	0.00	0.00	0.00	372,417.00	19,267,005.00	0.00
Clow Water Sys. Co., Coshocton, Coshocton	0.00	0.00	0.00	0.00	0.00	0.00	360,000.00	360,000.00	0.00
Techneglas Inc., Columbus, Franklin	38,750,000.00	167,304.00	0.00	0.00	0.00	0.00	280,160.00	39,197,464.00	0.00
Timken Co. - Faircrest Steel Plant, Canton, Stark	9,300.00	0.00	0.00	0.00	0.00	0.00	240,000.00	249,300.00	0.00
GE Circleville Lamp Plant, Circleville, Pickaway	0.00	39,200.00	0.00	0.00	0.00	0.00	230,640.00	269,840.00	0.00
American Spring Wire Corp., Bedford Heights, Cuyahoga	0.00	44,244.00	0.00	0.00	0.00	0.00	228,663.00	272,907.00	0.00
GMC Powertrain Defiance, Defiance, Defiance	0.00	2.00	0.00	0.00	0.00	0.00	190,032.00	190,034.00	0.00

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.